|   | Index of Claims                         |                  |          |            |          |          |              |          |          |          |            |          |             | Approacion/control No. |                            |         |                 |                 |                  |           |          | Reexamination |                |             |            |           |             |                |          |        |     |   |  |
|---|---|------------------|----------|------------|----------|----------|--------------|----------|----------|----------|------------|----------|-------------|------------------------|----------------------------|---------|-----------------|-----------------|------------------|-----------|----------|---------------|----------------|-------------|------------|-----------|-------------|----------------|----------|--------|-----|---|--|
|   |   |                  |          |            |          |          |              |          |          |          |            |          |             |                        | 10/812,853                 |         |                 |                 |                  |           |          |               |                | PAUL ET AL. |            |           |             |                |          |        |     |   |  |
|   |   |                  |          |            |          |          |              |          |          |          |            |          |             | Examiner               |                            |         |                 |                 |                  |           |          | Art Unit      |                |             |            |           |             |                |          |        |     |   |  |
|   | 1 ( 1 ( 1 ( 1 ( 1 ( 1 ( 1 ( 1 ( 1 ( 1 ( |                  |          |            |          |          |              |          |          |          |            |          |             |                        | Michael B. Shingleton      |         |                 |                 |                  |           |          | . 2           | 817            | 7           |            |           |             |                |          |        |     |   |  |
|   |   |                  |          |            |          |          |              |          |          |          |            |          |             |                        | IVIIOTACI D. STIITIGICIOTI |         |                 |                 |                  |           |          |               | 12             | <u> </u>    |            |           |             |                | -        |        |     |   |  |
|   | √ Rejected — (Through numeral)          |                  |          |            |          |          |              |          |          |          |            |          |             |                        | ral) Non-Elected           |         |                 |                 |                  |           | A Appeal |               |                |             |            |           |             |                |          |        |     |   |  |
|   | √ Rejected —                            |                  |          |            |          |          |              |          |          |          |            | C        | Cancelled   |                        |                            |         |                 | N               | Noi              | n-Ele     | ected    | rea           |                |             | А          | pp        | peal        |                |          | :      |     |   |  |
|   |   |                  |          | _          | 11.      |          |              | 4        |          |          |            |          | Postriotod  |                        |                            |         | 1               |                 | lu4f             |           |          |               |                | Objected    |            |           |             |                |          |        |     |   |  |
|   |   |                  | =        | ^          | AIIC     | we       | <b>:</b> a   | ] [+]    |          |          | Restricted |          |             |                        |                            |         |                 |                 | Interference     |           | ł        | 0             | Objected       |             |            |           | •           |                |          |        |     |   |  |
| г |   |                  | $\equiv$ |            |          |          | <u> </u>     | _        |          |          |            | Olaina I |             |                        |                            |         |                 |                 |                  |           |          |               |                | Date        |            |           |             |                |          | 1      |     |   |  |
| } | Cli                                     | aim_             | Ļ        |            | Г        | -        | Date         |          |          | $\Box$   |            | Claim    |             | $\neg$                 | $\top$                     | Date    |                 | $\neg \neg$     | $\top$           | 1,0       | . Claim  |               | Г              |             | <u>, p</u> | ate       | _           | $\neg$         | 1        | 1      |     |   |  |
| ĺ | Final                                   | Original         | 10/28/05 |            |          |          |              |          |          |          |            | Final    | Original    | 50/32/01               |                            | Ì       |                 | .               |                  |           | Final    | Original      |                |             |            |           | ł           |                |          |        |     |   |  |
|   | ίĒ                                      | original Parties | 2/2      |            |          |          |              |          |          |          |            | iĒ       | Origi       | ₹/٥                    |                            |         |                 |                 |                  |           | iĒ       | Ö.j.          |                |             | .          |           |             |                | -  -     | .      |     |   |  |
| ŀ |   | 1                | /        | $\vdash$   | ┝        | ┢        | ╁╴           | ╁        | $\vdash$ | $\vdash$ | Н          |          | <b>(61)</b> | 7                      | +                          | ╅       | ╁               | $\vdash$        | <del>-  </del> - | +         |          | 101           | ╁╌             | Н           | -          | $\dashv$  | ┰           |                | +        | +-     | ١.  |   |  |
| [ |   | 8                |          |            |          |          |              |          |          |          |            |          | 52          | Ĭ                      | 1                          | 1       |                 |                 |                  | П         |          | 102           |                |             |            | #         | $\sqsupset$ | $\Box$         |          | 工      | 1 ' | • |  |
| ļ |   | 3                |          | <u> </u> - | _        | ├        | -            | ╀        | ┝        | ├        | Н          | -        | 53<br>54    | $\mathbb{H}$           | +                          | +       | ╀               | $\vdash \vdash$ | +                | $\dashv$  | -        | 103           |                | $\vdash$    | -          | +         | $\dashv$    | $\dashv$       | +        | +      | -   |   |  |
| ŀ |   | 1                |          | -          | $\vdash$ | ╁        | H            | ╁╴       | $\vdash$ | $\vdash$ | $\forall$  | -        | 55          | $\forall$              | $\dashv$                   | ╁       | $\dagger \lnot$ | $\forall$       | +                | Н         |          | 105           |                | H           | $\dashv$   | +         | $\exists$   | +              | +        | +      | 1   |   |  |
|   |   | 6                |          |            |          |          |              |          |          |          |            |          | 56          | $\prod$                |                            |         |                 |                 |                  | П         |          | 106           |                |             | Ţ          |           |             |                |          |        |     |   |  |
| } |   | 8                | _        | -          | ┝        | -        | ├            | ╁        | ┢        | $\vdash$ | $\dashv$   | $\vdash$ | (57)<br>58  | H                      | +                          | +       | $\vdash$        | Н               | +                | +         | $\vdash$ | 107<br>108    | ╁╌             | H           | +          | _         | $\dashv$    | $\dashv$       | +        | ╁      | ł   |   |  |
| į |   | 8                |          |            |          |          |              |          |          |          |            |          | 59          |                        |                            | 土       |                 |                 |                  |           |          | 109           |                |             |            |           | ⇉           |                |          |        | 1   |   |  |
| - |   | 10,              | _        | L          | L        | L        | L            | -        | ╄        | <u> </u> | 4          |          | 60<br>61    |                        | _                          | +       | $\vdash$        | $\Box$          | +                | Н         | -        | 110<br>111    | <del>  '</del> | Ĥ           | _          | +         | 4           | 4              | +        | +      | ļ   |   |  |
| } |   | K                | -        | ┢          | H        | ┢        | <del> </del> | $\vdash$ | H        | H        | $\dashv$   | -        | 62          | +                      | 十                          | +       | $\vdash$        |                 | $\dashv$         | $\forall$ |          | 112           | ╁              | 1.          | $\dashv$   |           | ╗           | $\dashv$       | +        | +-     | 1   |   |  |
| Ţ |   | 18               |          |            |          |          |              |          |          |          |            |          | 63          |                        |                            |         |                 |                 |                  | $\Box$    |          | 113           |                |             |            | $\Box$    | $\Box$      |                | 工        |        | ].  |   |  |
| - |   | XX               | _        | ├          | _        | -        | ├            | ╀        | ╀        | ├        | Н          |          | 64<br>65    | +                      | -                          | +       | -               | $\dashv$        | +                | Н         | -        | 114<br>115    |                | Н           | -          | $\dashv$  | $\dashv$    | +              | +        | +      | 1   |   |  |
| Ī |   | 76               |          |            |          |          |              | $\vdash$ |          |          |            |          | 66          | V                      |                            |         |                 | $\exists$       |                  | П         |          | 116           |                |             |            |           | $\Box$      |                | $\top$   | $\top$ | 1   |   |  |
| [ |   | N                |          |            |          |          | L            |          |          | $\Box$   |            |          | 67          |                        | 1                          |         |                 | $\Box$          |                  | Ц         |          | 117           |                | Ц           | $\dashv$   |           | 4           | 4              | <u></u>  | 1      | ]   |   |  |
| ŀ |   | \$ 5¢            | _        | -          |          | ┝        | ├            | $\vdash$ | ╁        | -        | $\vdash$   |          | 68<br>69    | $\dashv$               | $\dashv$                   | +       | ╁╌              |                 |                  | +         | <u> </u> | 118           | ╁              | H           | $\dashv$   | +         | _           | _              | -        | +-     | 1   |   |  |
| Ţ |   | 20               |          |            |          |          |              |          |          |          |            |          | 70          |                        |                            |         |                 |                 |                  | 口         |          | 120           |                |             |            |           |             |                | 土        |        |     |   |  |
|   |   | 81<br>82         | _        | _          | _        | <u> </u> | ┡            | -        | <u> </u> | -        | 4          | <u> </u> | 71<br>72    |                        | +                          | +       | $\vdash$        | $\dashv$        |                  | H         |          | 121<br>122    |                | H           | _          | :         | $\dashv$    | 4              | .1;      | -      | -   |   |  |
| ŀ |   | 183              | _        | -          | -        | $\vdash$ | ┢            | ╁        | ┢        | $\vdash$ | $\dashv$   | $\vdash$ | 73          | $\dashv$               | +                          | +       | $\vdash$        | $\vdash$        |                  | H         | <u> </u> | 123           |                | Н           | 7          | -         |             | +              | +        |        | •   |   |  |
| Ţ |   | 94               |          |            |          |          |              |          |          |          |            |          | 74          |                        | 4                          |         |                 |                 |                  | $\Box$    |          | 124           | 1              |             |            | $\Box$    | -           |                |          | $\bot$ |     |   |  |
| } | _                                       | 25<br>26         | -        | -          | -        | $\vdash$ | $\vdash$     | -        | $\vdash$ | -        | $\dashv$   | -        | 75<br>76    | $\dashv$               | +                          | +       | +               | $\vdash$        | -                | Н         | -        | 125<br>126    |                | Н           | .          | +         | +           | _              |          | ╁      | ł   |   |  |
| į |   | 2                |          |            |          |          |              |          |          |          |            |          | 77          |                        |                            |         |                 |                 |                  | 口         |          | 127           |                |             |            | 7         |             | $\exists$      | Ť        |        |     |   |  |
|   |   | 98<br>29.        |          | _          | _        | L        | L            | ┡        | ┡        |          | $\dashv$   |          | 78<br>79    | $\dashv$               | _                          | +       | $\sqcup$        | $\vdash$        |                  | Н         |          | 128<br>129    | ┼-             | $\vdash$    | $\dashv$   | -         | 4           | 1              | +        | +      | -   |   |  |
| } |   | 30               | -        | -          |          | -        | ├-           | -        | ╁        | -        | $\dashv$   |          | 80          | _                      | +                          | +       | $\vdash$        | $\dashv$        | +                | H         | -        | 130           |                | H           |            |           | $\dashv$    | +              | -        | +      |     |   |  |
|   |   | 34               |          |            |          |          |              |          |          |          |            |          | 81          | $\Box$                 | #                          | $\perp$ | Ц               |                 |                  | $\Box$    |          | 131           | Τ              |             |            | ⋾.        |             | $\Box$         | 1        | 1:     | 1   |   |  |
| } |   | 38               | -        | -          | -        | $\vdash$ | -            | -        | $\vdash$ | $\vdash$ | $\dashv$   | -        | 82<br>83    | $\dashv$               | +                          | +       | Н               | $\dashv$        | -                | H         | <u> </u> | 132<br>133    |                | Н           | $\dashv$   | +         | +           | <del>.  </del> | +        | +-     | ł   |   |  |
| ŀ |   | ×                |          |            |          |          |              |          |          |          |            |          | 84          |                        |                            | 土       | Ħ               |                 |                  |           |          | 134           | T              |             | _          |           | _           |                | +        | Ī      |     |   |  |
|   |   | 36               |          |            |          |          |              |          |          |          |            |          | 85          |                        | Ţ                          | Ļ       |                 |                 |                  | П         |          | 135           |                |             |            |           |             |                | $\bot$   | 1      |     |   |  |
| } |   | 36               |          | -          | _        | -        | -            | -        | ├        |          |            |          | 86<br>87    | -                      | +                          | +       | $\vdash$        | $\dashv$        |                  | Н         | -        | 136<br>137    |                | Н           | $\dashv$   | +         | +           |                | +        | +      |     |   |  |
|   |   | 38.              |          |            |          |          |              |          |          |          |            |          | 88          |                        | $\perp$                    |         |                 |                 |                  | 口         |          | 138           |                | ••          |            |           | 1           |                |          | 上      |     |   |  |
|   |   | 39-              |          |            |          | _        | -            | _        | L        |          | _          |          | 89          | $\dashv$               | +                          | +       | $\vdash$        | $\dashv$        |                  | Н         |          | 139           |                | H           | -          | 4         | $\dashv$    | 4              | 4        | 1      | -   |   |  |
| ŀ |   | 46               | -        | -          | -        |          | $\vdash$     | -        | ┢        | $\vdash$ | $\dashv$   | -        | 90          | $\dashv$               | +                          | +       | +               | -               | -                | Н         | -        | 140<br>141    | ╁              | H           | $\dashv$   | $\dashv$  | $\dashv$    | -              | .        | +      | ł   |   |  |
| Į |   | 38               |          |            |          |          |              |          |          |          |            |          | 92          |                        | 1                          | $\perp$ | П               | $\Box$          |                  | $\Box$    |          | 142           | <b> </b> _     | П           | 二          |           | 弌           |                |          | 1      | 1   |   |  |
|   |   | **               | -        | -          | -        | -        | -            | -        | ⊢        | $\vdash$ | $\dashv$   | <u> </u> | 93          | $\dashv$               | +                          | +       | Н               | $\dashv$        |                  | $\vdash$  | -        | 143<br>144    |                | $\vdash$    | -          | $\dashv$  | _           |                |          | - -    | ł   |   |  |
| } | _                                       | <b>45</b>        |          |            |          | $\vdash$ | $\vdash$     | $\vdash$ | $\vdash$ |          | $\dashv$   |          | 95          | $\dashv$               | +                          | +       |                 | _               |                  |           | -        | 145           |                | H           | _          | _         | $\exists$   |                | <u>:</u> | _      | 1   |   |  |
| 4 |   | 46               |          |            |          |          |              |          |          |          |            |          | 96          |                        | 7                          |         | П               | $\Box$          | 4                | $\Box$    |          | 146           |                |             | $\Box$     | $\Box$    | 1           | -              | $\Box$   | $\bot$ | ]   |   |  |
| } |   | (47)<br>48       | Y        | <b>-</b>   | $\vdash$ | $\vdash$ | -            | -        | ├        | $\vdash$ | $\dashv$   | $\vdash$ | 97<br>98    | $\dashv$               | +                          | +       | $\vdash$        | +               | +                | H         | <u> </u> | 147<br>148    |                | H           | $\dashv$   | +         | $\dashv$    | +              | +        | +      | 1   |   |  |
| ŀ |   | 49               | Ž        |            |          |          |              |          |          |          |            |          | 99          | $\exists$              | $\pm$                      | $\pm$   |                 |                 |                  | 口         |          | 149           |                |             | 寸          | $\exists$ | 士           |                |          | 1      |     |   |  |
|   |   | 50               | I        |            |          |          |              |          |          |          |            |          | 100         | Ι                      | Ι                          |         |                 |                 |                  |           |          | 150           |                |             | $\Box$     |           | .]          | $\Box$         | *        |        | j   |   |  |
|   |   |                  |          |            |          |          |              |          |          |          |            |          |             |                        |                            |         |                 |                 |                  |           |          |               |                |             |            |           |             | •              |          | •      |     |   |  |

Application/Control No.

Applicant(s)/Patent under Reexamination